

Applicant : James Norris et al.  
Serial No. : 09/548,449  
Filed : April 13, 2000  
Page : 2 of 11

Attorney's Docket No.: 14017-006001 / PSU 99-2157

In the specification:

Please insert the following paragraph after the title on page 1:

-Related Application

This application is a continuation-in-part application of and claims the benefit under 35 U.S.C. § 120 of U.S. Patent Application Serial No. 09/291,902, filed April 14, 1999, now U.S. Patent No. 6,271,359.

Please amend the paragraph beginning at page 14, line 16 as follows:

B1  
- Specific examples of addiction system toxins or chromosomally encoded toxins, or other toxic agents which may be used in connection with the invention include but are not limited to *ccdB*, *kid*, *perK*, *parE*, *doc*, *higB*, *chpAK*, *chpBK*, *kicB*, *hoc*, *srnB'*, *flmA*, *pndA*, *pmdA*, *relF*, *gef*, *kilA*, *kilB*, *kilC*, *kilE*, *traL*, *traE*, *sigB*, *hok*, *pemK*, *lysostaphin*, and *kikA*. Examples of antidotes which may be used as in the methods of the invention include but are not limited to *ccdA*, *kis*, *pemI*, *parD*, *phd*, *higA*, *chpAI*, *chpBI*, *kicA*, *soc*, *srnC*, *flmB*, *pndB*, *sof*, *korA*, *korB*, *korC*, *korD*, *korE*, and *korF*. Thus, the invention herein provides a method of using a-an addiction system toxin (such as *doc*) or other toxic protein, as a toxic agent of the invention. The invention also provides methods for inhibiting or inactivating antidotes of a toxin. The invention further provide co-expression of a toxin and its corresponding antidote for manufacturing purposes.

B2  
Please amend the paragraph beginning at page 20, line 19 as follows:

B3  
The nucleic acid, encoding a toxic agent selected from the group consisting of *ccdB*, *kid*, *perK*, *parE*, *doc*, *higB*, *chpAK*, *chpBK*, *kicB*, *hoc*, *srnB'*, *flmA*, *pndA*, *pmdA*, *relF*, *gef*, *kilA*, *kilB*, *kilC*, *kilE*, *traL*, *traE*, *sigB*, *hok*, *pemK*, *lysostaphin*, and *kikA* is provided. The nucleic acid encoding the toxic agent *DicFl*, or *DicFl*-like, is provided.